

POTOMAC RIVER BASIN

01621410 BLACKS RUN AT ROUTE 726 AT HARRISONBURG, VA

LOCATION.--Lat 38°25'19", long 78°52'15", NAD83, City of Harrisonburg, Hydrologic unit 02070005, on left bank at upstream side of bridge on State Highway 726 at Harrisonburg, 4.0 mi upstream from North River and 3.5 mi north of Mt. Crawford.

DRAINAGE AREA.--11.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 2000 to September 2001.

GAGE.--Water-stage recorder. Elevation of gage is 1,255 ft above sea level, from topographic map.

REMARKS.--Records good except for period with ice effect, Dec. 25 to Jan. 18, which is fair. Several measurements of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	.78	e.70	8.4	.71	13	1.8	3.0	1.9	5.1	7.3
2	---	---	.73	e.70	6.2	.72	10	1.6	3.1	3.2	3.8	5.4
3	---	---	.63	e.70	2.6	.68	9.0	1.6	3.2	1.8	3.2	4.6
4	---	---	.66	e.67	1.1	1.0	8.4	1.6	2.4	1.6	3.8	5.3
5	---	---	.82	e.65	1.2	1.1	7.2	1.6	46	1.6	2.5	5.4
6	---	---	.61	e.65	1.0	.81	6.5	1.5	9.7	1.7	2.3	4.2
7	---	---	.60	e.63	.88	.77	5.6	1.5	9.6	1.5	2.1	3.2
8	---	---	.60	e.60	.88	.82	4.8	1.6	4.3	8.6	1.9	2.6
9	---	7.1	.58	e.60	.87	.72	4.8	1.6	3.5	2.0	1.8	2.4
10	---	8.5	.55	e.60	.83	.66	20	1.4	3.1	1.8	2.8	4.2
11	---	.85	.57	e.57	.77	.69	17	1.5	3.1	1.7	29	2.6
12	---	.74	.65	e.55	.77	.67	8.4	1.5	3.2	1.6	50	1.9
13	---	.74	.77	e.53	.91	.92	7.1	1.4	3.4	1.6	17	1.8
14	---	.76	18	e.53	.79	.70	6.1	1.3	2.8	1.5	5.6	2.5
15	---	.80	1.4	e.53	.75	2.4	4.9	1.3	4.7	1.4	3.6	1.5
16	---	.86	8.8	e.50	1.2	1.1	4.9	1.3	3.2	1.4	2.6	1.4
17	---	1.0	39	e.50	1.4	.82	4.6	1.5	2.3	1.3	2.5	1.5
18	---	1.1	14	e.50	.66	.85	3.6	2.0	2.3	30	2.1	1.6
19	---	1.0	15	23	.68	.77	3.2	15	2.1	6.7	2.0	1.5
20	---	1.1	11	22	.66	.91	3.1	5.5	2.0	2.5	2.3	2.9
21	---	1.4	6.8	9.3	.70	89	3.8	7.3	2.0	1.7	1.8	1.7
22	---	1.5	3.5	5.9	.81	13	2.7	37	8.5	1.5	1.6	1.3
23	---	1.4	.97	6.0	.94	9.9	2.9	9.6	6.4	1.5	17	1.2
24	---	1.2	.89	4.9	.77	8.8	2.3	6.7	2.4	1.5	3.9	9.5
25	---	4.0	e.83	3.4	1.5	7.7	2.3	8.2	2.8	1.4	1.8	17
26	---	4.3	e.80	2.1	.82	7.1	2.0	5.2	2.2	3.6	23	2.9
27	---	.74	e.80	2.0	.77	5.9	1.9	4.3	2.2	2.2	5.7	2.4
28	---	.75	e.77	1.4	.74	4.8	1.9	3.7	2.1	1.8	3.2	2.1
29	---	.70	e.77	1.4	---	23	1.6	3.3	2.3	67	9.0	2.0
30	---	.78	e.75	23	---	26	1.7	3.1	2.5	7.6	52	1.9
31	---	---	e.73	7.8	---	11	---	2.9	---	7.5	14	---
TOTAL	---	---	133.36	122.91	39.60	224.02	175.3	139.4	150.4	172.7	279.0	105.8
MEAN	---	---	4.30	3.96	1.41	7.23	5.84	4.50	5.01	5.57	9.00	3.53
MAX	---	---	39	23	8.4	89	20	37	46	67	52	17
MIN	---	---	.55	.50	.66	.66	1.6	1.3	2.0	1.3	1.6	1.2
CFSM	---	---	.38	.35	.13	.65	.52	.40	.45	.50	.80	.31
IN.	---	---	.44	.41	.13	.74	.58	.46	.50	.57	.93	.35

01621410 BLACKS RUN AT ROUTE 726 AT HARRISONBURG, VA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	---	---	4.30	3.96	1.41	7.23	5.84	4.50	5.01	5.57	9.00	3.53
MAX	---	---	4.30	3.96	1.41	7.23	5.84	4.50	5.01	5.57	9.00	3.53
(WY)	---	---	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001
MIN	---	---	4.30	3.96	1.41	7.23	5.84	4.50	5.01	5.57	9.00	3.53
(WY)	---	---	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 2000 - 2001

HIGHEST DAILY MEAN	39	Dec 17	89	Mar 21	89	Mar 21 2001
LOWEST DAILY MEAN	.55	Dec 10	.50	Jan 16	.50	Jan 16 2001
ANNUAL SEVEN-DAY MINIMUM	.59	Dec 6	.52	Jan 12	.52	Jan 12 2001
MAXIMUM PEAK FLOW			1100	Dec 27	1100	Dec 27 2000
MAXIMUM PEAK STAGE			8.20	Dec 27	8.20	Dec 27 2000
INSTANTANEOUS LOW FLOW			.47	Dec 12	.47	Dec 12 2000
10 PERCENT EXCEEDS	10		9.6		9.6	
50 PERCENT EXCEEDS	.82		2.0		2.0	
90 PERCENT EXCEEDS	.60		.70		.70	

e Estimated

